

THE ADVANTAGES OF INTEGRITY TURBINE PRODUCTS



SUPERIOR TEAM

We have the experience, knowledge, work ethic and INTEGRITY you need from your supplier!

The IPM Team Members are truly Pump and Motor Industry Professionals. We have served these industries at virtually every level throughout our years of experience:

- End Users
- System Design
- Distribution
- Trouble Shooting
- Field Service
- Forensic Engineering
- Repair Shops
- Manufacturing
- Engineering

Our Team has spent decades designing and servicing systems, pumps and motors in the shop and in the field. And when you call, we'll be there to answer!

SUPERIOR SERVICE & SUPPLY

We have a complete inventory of shafting, column, bearings, and wear ring / bearing raw stock to serve your repair parts needs or to complete the repair for you.

Our Team will not just rebuild your pump and/or motor, we will also offer you any improvements we can recommend, based on the failure analysis, so you can improve the operating life and reduce lifecycle costs.

Ask us about our state of the art Pump and Motor Testing Facility!

SUPERIOR STANDARD MATERIALS & DESIGNS

Ductile Iron Discharge Heads:

Superior Tensile Strength and Burst Pressure allows IPM Heads to handle higher pressures and more hang weight than standard Cast Iron Heads

- Tensile Strength- Ductile Iron: 65,000 lbs. vs. Cast Iron: 30,000 lbs.
- Ductile Iron has less porosity than Cast Iron providing better corrosion resistance
- 4" through 10" Heads have identical centerlines allowing for different size pumps to connect to the same header with ease
- Standard Grooved Discharge Connection
- Uniquely specifiable: no other turbine manufacturer offers this as standard
- Directly couple to systems designed with grooved piping



Ductile Iron Bowl Assembly Castings:

Superior Tensile Strength and Burst Pressure allows IPM pump ends to handle higher pressures than standard Cast Iron pump ends

- Superior Tensile Strength allows IPM pump ends to handle deeper settings than standard Cast Iron pump ends
- Ductile Iron has less porosity than Cast Iron providing better corrosion resistance
- All models available Double Tapped and O-Ringed for high pressure and deep set applications



INTEGRITYPUMPANDMOTOR.COM
615.544.7072 • toll free 888.271.0566

Lost Wax Investment Cast Stainless Steel Impellers and Spiders:

This process is superior to traditional sand cast

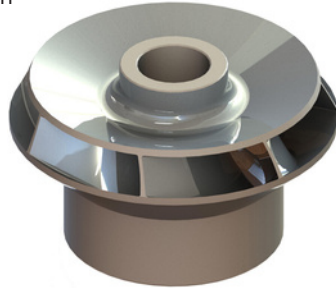
- Superior smoothness increasing efficiencies
- Superior precision and repeatability of castings
- Inferior sand casting allows for core shifts, increased void areas and rough surfaces

Stainless Steel is Superior to Bronze in all turbine applications

- Superior Brinell Hardness
- Superior Tensile Strength
- Superior Corrosion Resistance
- Superior Abrasion Resistance

Standard 304SS Impellers have a higher Brinell Hardness than 316SS allowing for better abrasion resistance

316SS is available for all models and stocked in several models for better corrosion resistance



Proprietary High Efficiency Polymer Bearings and Components:

We have spent years in R&D, Design, Engineering and Destructive Testing to develop our own proprietary blends of polymers and other materials specifically for the Turbine Industry

- Lower Coefficient of Friction for higher efficiencies than traditional Bronze or Rubber
- Better abrasion resistance than traditional Bronze
- Better corrosion resistance than traditional Bronze or Rubber
- These materials can hold tighter tolerances for longer operating life and higher efficiencies

Standard Proprietary Polymer bearings for up to ~ 2 minutes of Run Dry Protection

- Use these in bearing spiders without the use of a water flush or oil lube setup if you can get water to the surface within ~ 2 minutes
- Engineered fluting for better debris removal during operation, startup and shutdown



SUPERIOR TECHNOLOGY

Newest 3D Scanning Technology

- IPM has a unique advantage, in the industry, to improve and develop higher efficiencies into our products
- This technology reduces development times and costs for new designs

All IPM patterns are 3D CAD Modeled for superior precision, quality control and speed of improvements

- Our 3D Modeling allows us to provide virtually any material required for the application based on the engineering needs

Newest line of turbine casting patterns in the industry

- Our complete line of patterns are the newest in the turbine industry
- Newer patterns hold original tolerances better
- Patterns wear with use and should be replaced over time but this rarely happens in our industry

Standard 9" and 11" Long Lateral Bowls and Impellers:

- Up to 2.25" Standard Lateral for deep set applications
- Sizing for fits into well screens and liners
- Longer skirts often allow for more engagement in the bowl producing efficiency gains
- Off-The-Shelf Deep-Set, double tapped Turbines available without the need for machining extra lateral
- Cost savings with the ability to use smaller tube and shaft combinations.



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